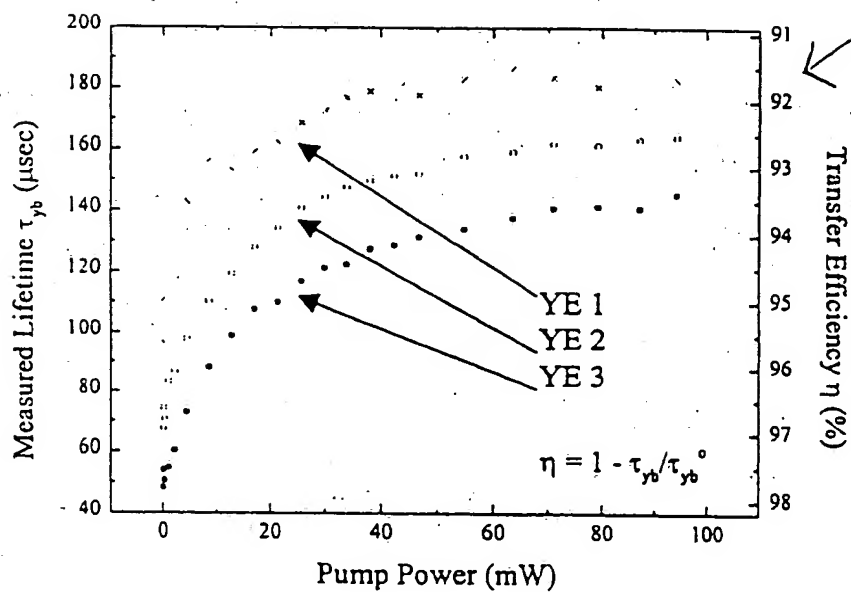


FIGURE 1



YE 1: 2wt%Yb<sub>2</sub>O<sub>3</sub>+2wt%Er<sub>2</sub>O<sub>3</sub>;  
 YE 2: 4wt%Yb<sub>2</sub>O<sub>3</sub>+2wt%Er<sub>2</sub>O<sub>3</sub>;  
 YE 3: 6wt%Yb<sub>2</sub>O<sub>3</sub>+2wt%Er<sub>2</sub>O<sub>3</sub>;

FIGURE 2

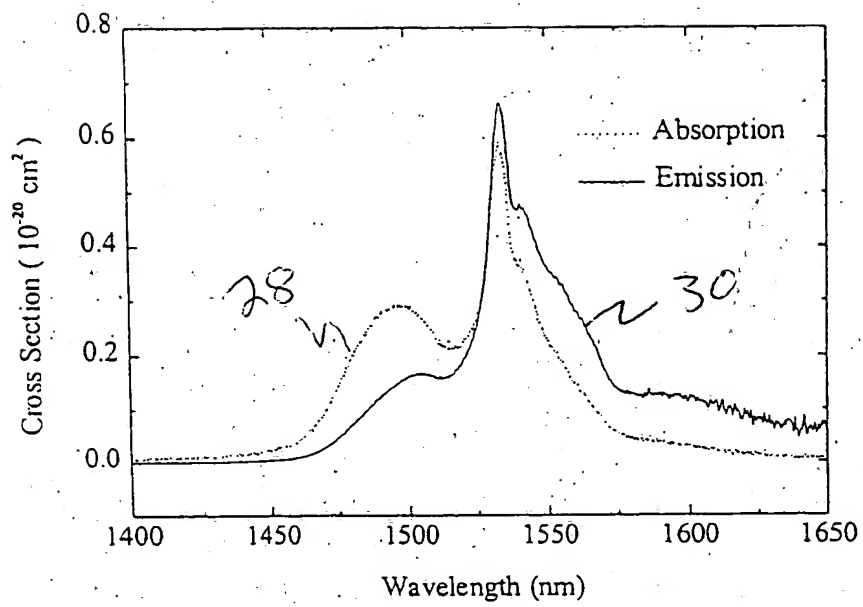


FIGURE 3

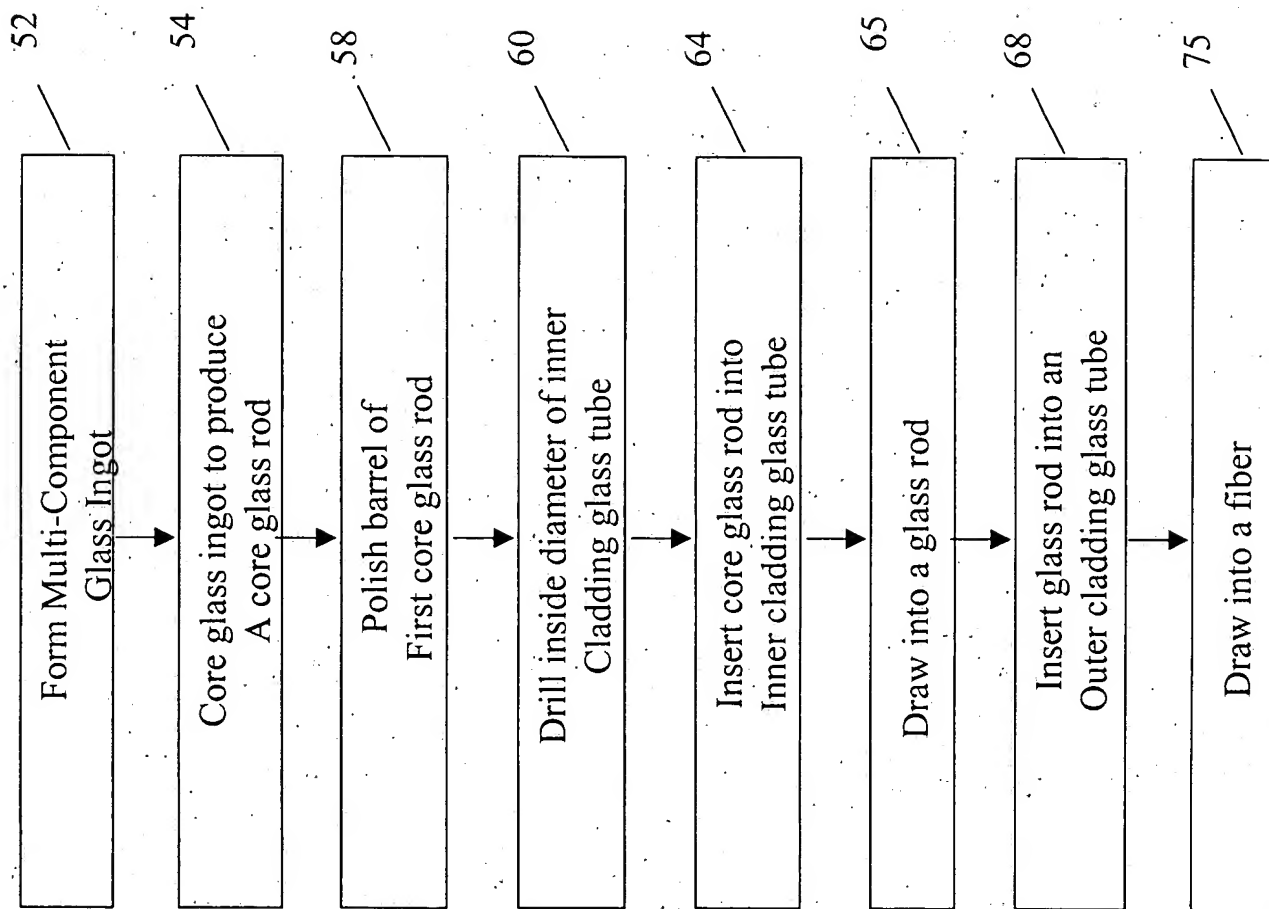


FIGURE 4



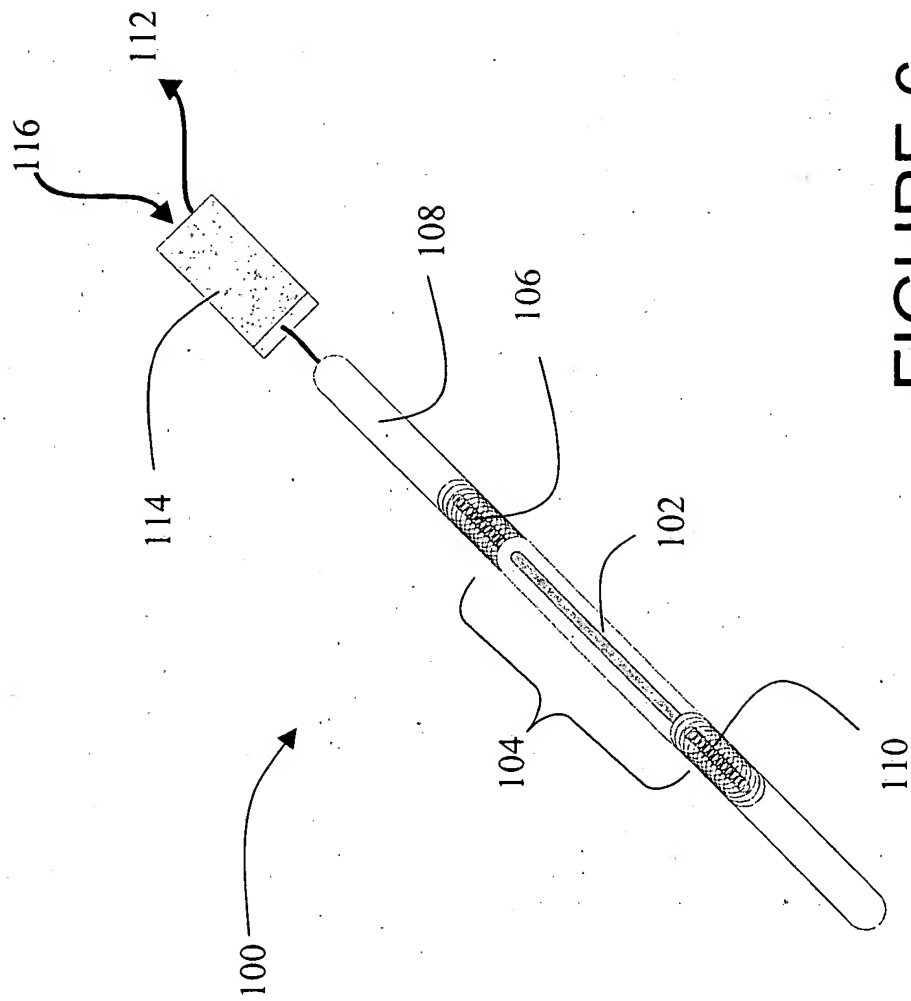


FIGURE 6

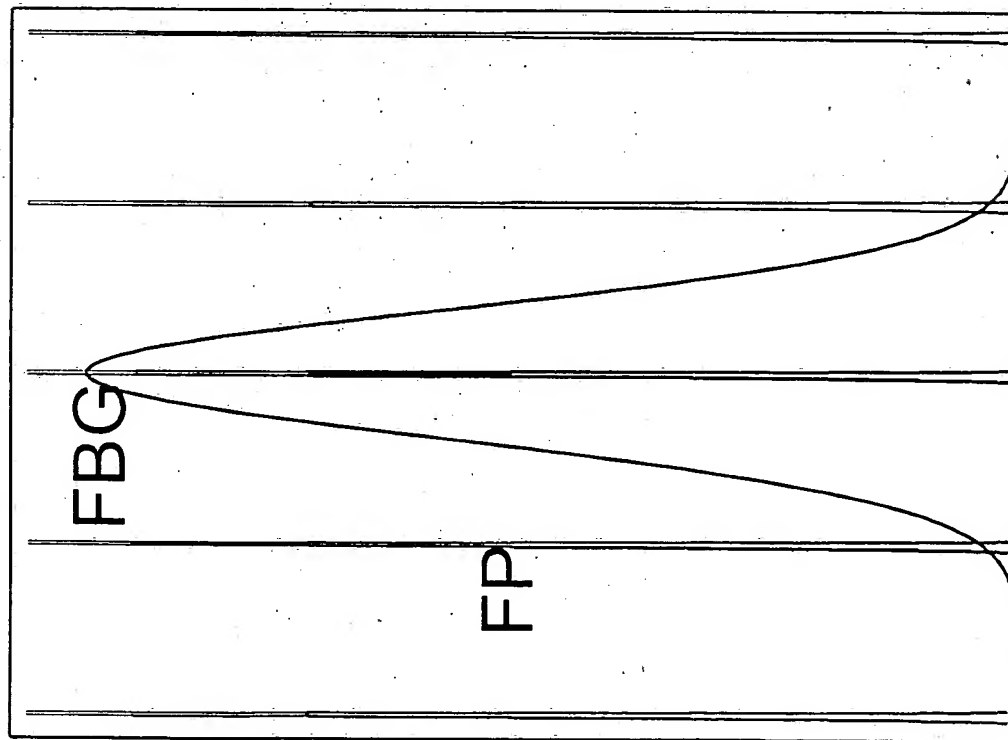
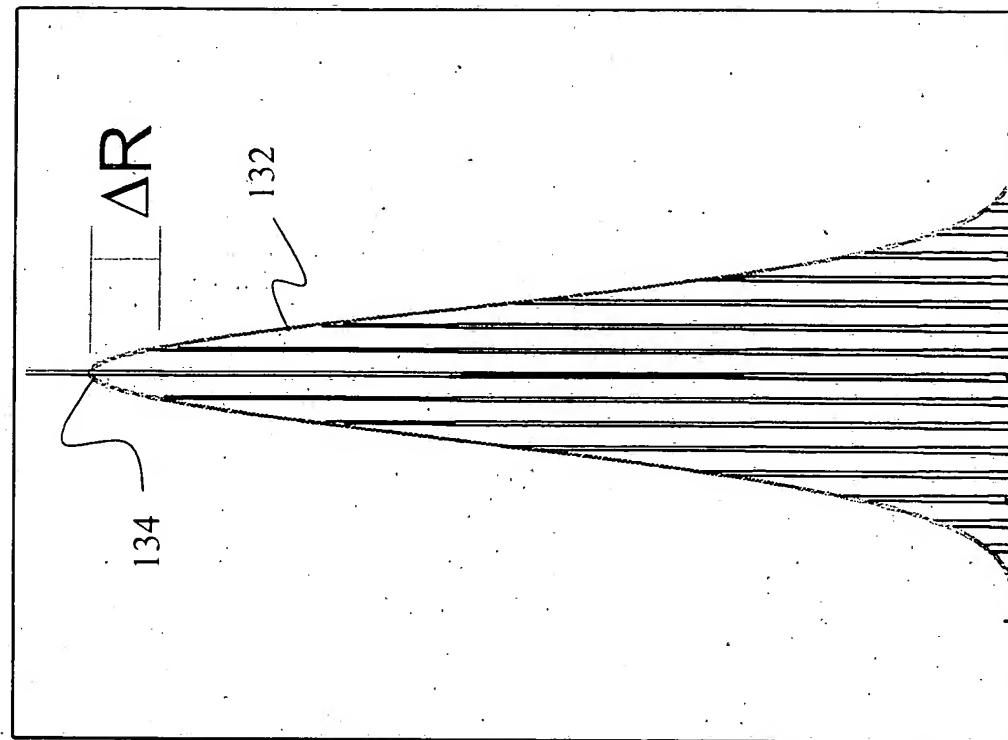


FIGURE 7a



Wavelength

FIGURE 7b

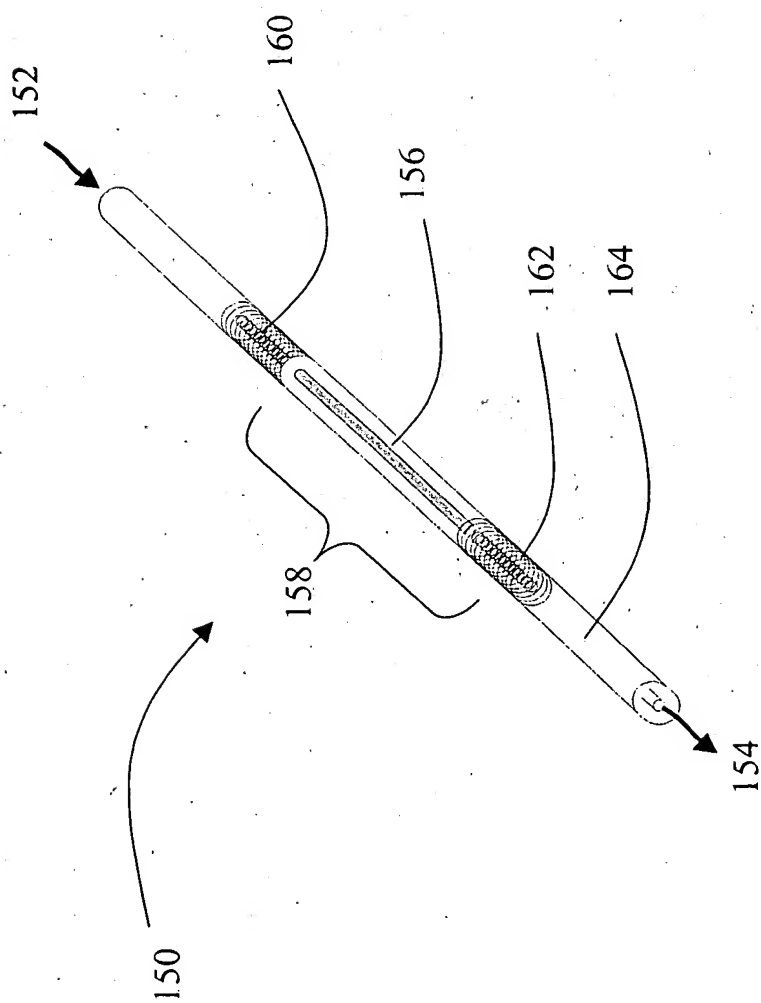
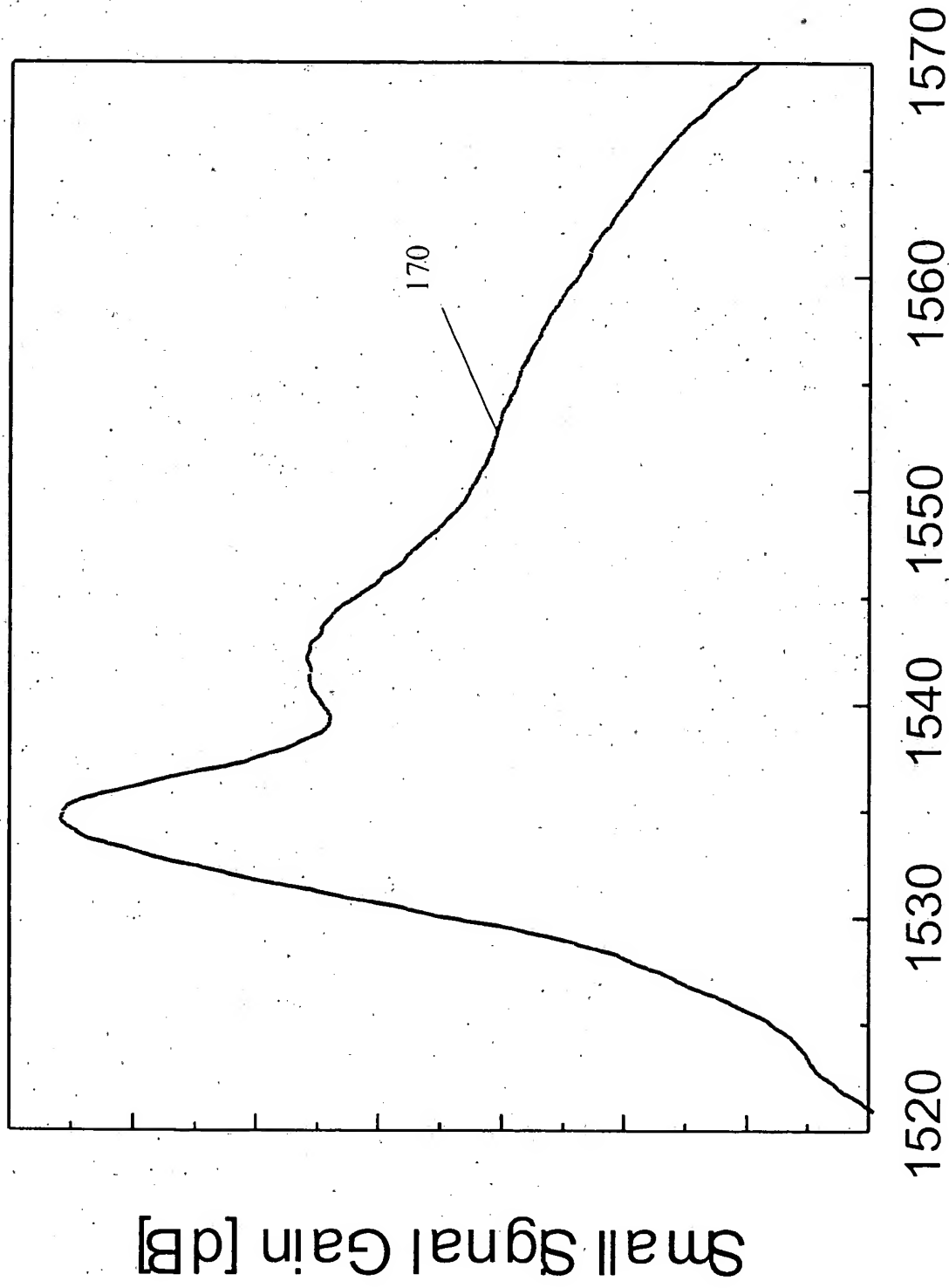


FIGURE 8

Wavelength [nm]



Small Signal Gain [dB]

FIGURE 9



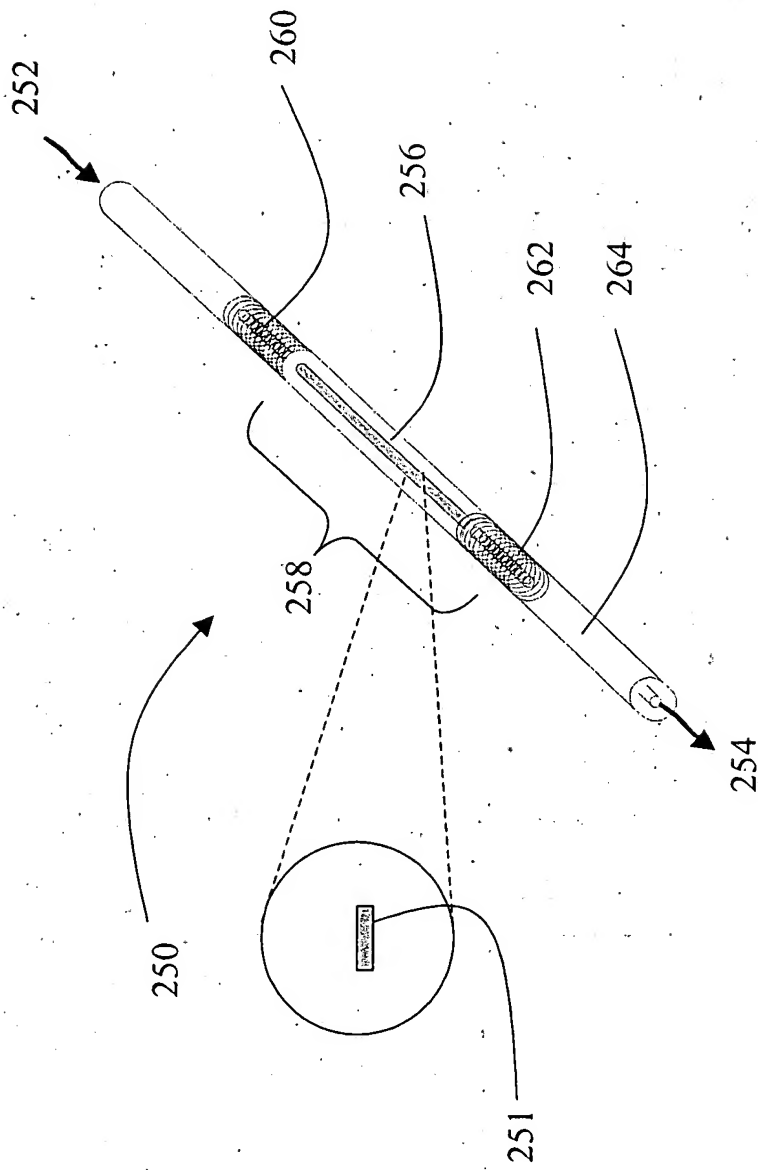


FIGURE 12

**P = 240 mW, @1565 nm, Pump\_coupl\_loss = 0.8 dB, eta = 0.95. Prop\_loss = 0.1 dB/cm, Coupl\_loss = 2x0.1 dB**

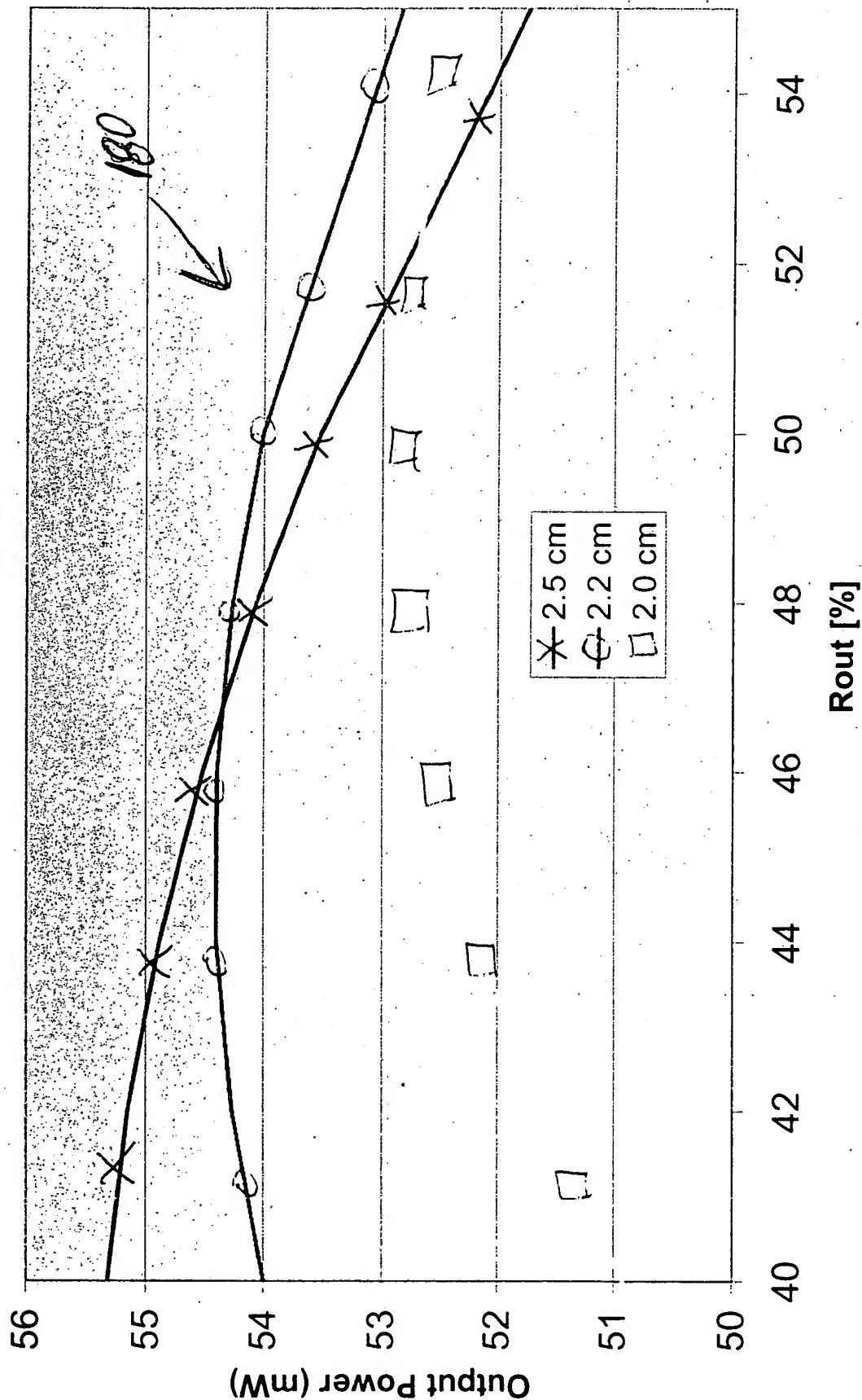


FIGURE 10

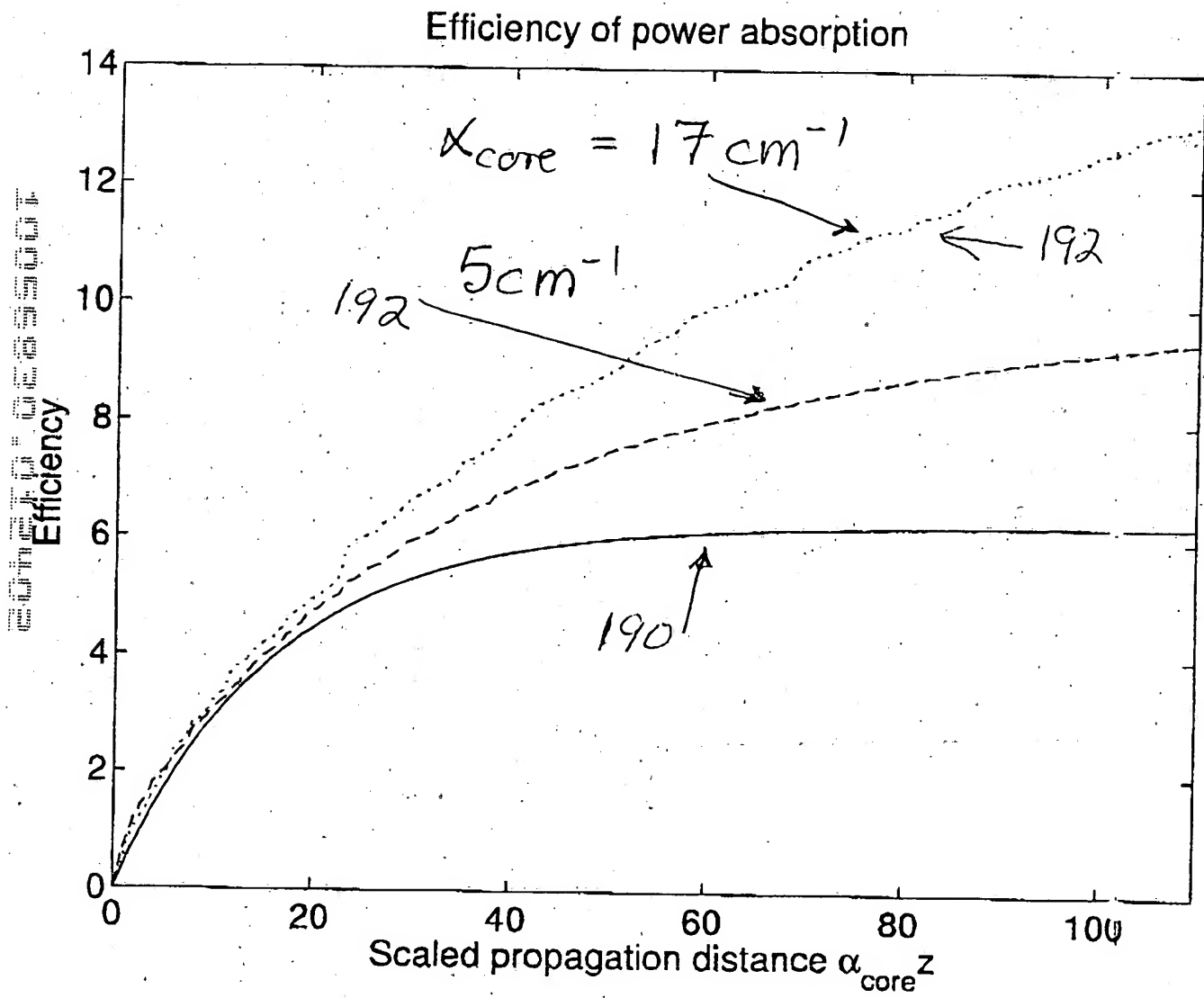


FIGURE 11